

The diagram illustrates a distributed system architecture with three distinct layers. At the top is a rectangular box labeled "Jini Apis / Java Spaces" with the reference numeral 12. Below this is a rounded rectangular box labeled "RMI" with the reference numeral 14. At the bottom is another rectangular box labeled "TCP / IP Capable Networking" with the reference numeral 16. The boxes are arranged vertically, suggesting a stack of protocols or services.

Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	Male	Female	Male	Female
Marital status	Married	Single	Married	Single
Education	High school	College	High school	College
Occupation	Manager	Worker	Manager	Worker
Income	\$25,000	\$35,000	\$15,000	\$45,000
Health status	Good	Fair	Good	Fair
Stress level	Low	High	Low	High
Life satisfaction	High	Low	High	Low
Work-life balance	Good	Poor	Good	Poor
Family support	High	Low	High	Low
Community involvement	High	Low	High	Low
Volunteer work	Yes	No	Yes	No
Charitable contributions	High	Low	High	Low
Religious participation	High	Low	High	Low
Political engagement	High	Low	High	Low
Civic participation	High	Low	High	Low
Neighborhood safety	High	Low	High	Low
Local government involvement	High	Low	High	Low
Community development projects	High	Low	High	Low
Local business support	High	Low	High	Low
Neighborhood improvement	High	Low	High	Low
Local infrastructure	High	Low	High	Low
Community resources	High	Low	High	Low
Local government services	High	Low	High	Low
Community development	High	Low	High	Low
Local business growth	High	Low	High	Low
Neighborhood revitalization	High	Low	High	Low
Local infrastructure projects	High	Low	High	Low
Community resources development	High	Low	High	Low
Local government involvement	High	Low	High	Low
Community development projects	High	Low	High	Low
Local business support	High	Low	High	Low
Neighborhood improvement	High	Low	High	Low
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Community development projects	High	Low	High	Low
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Community resources	High	Low	High	Low
Local government services	High	Low	High	Low
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Local business growth	High	Low	High	Low
Neighborhood revitalization	High	Low	High	Low
Local infrastructure projects	High	Low	High	Low
Community resources development	High	Low	High	Low
Local government involvement	High	Low	High	Low
Community development projects	High	Low	High	

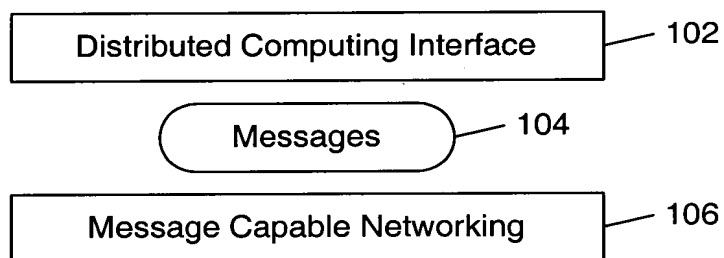


Fig. 2

Fig. 3

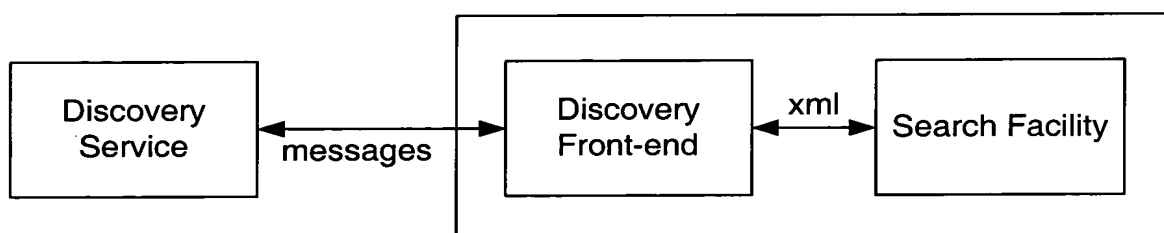


Fig. 4

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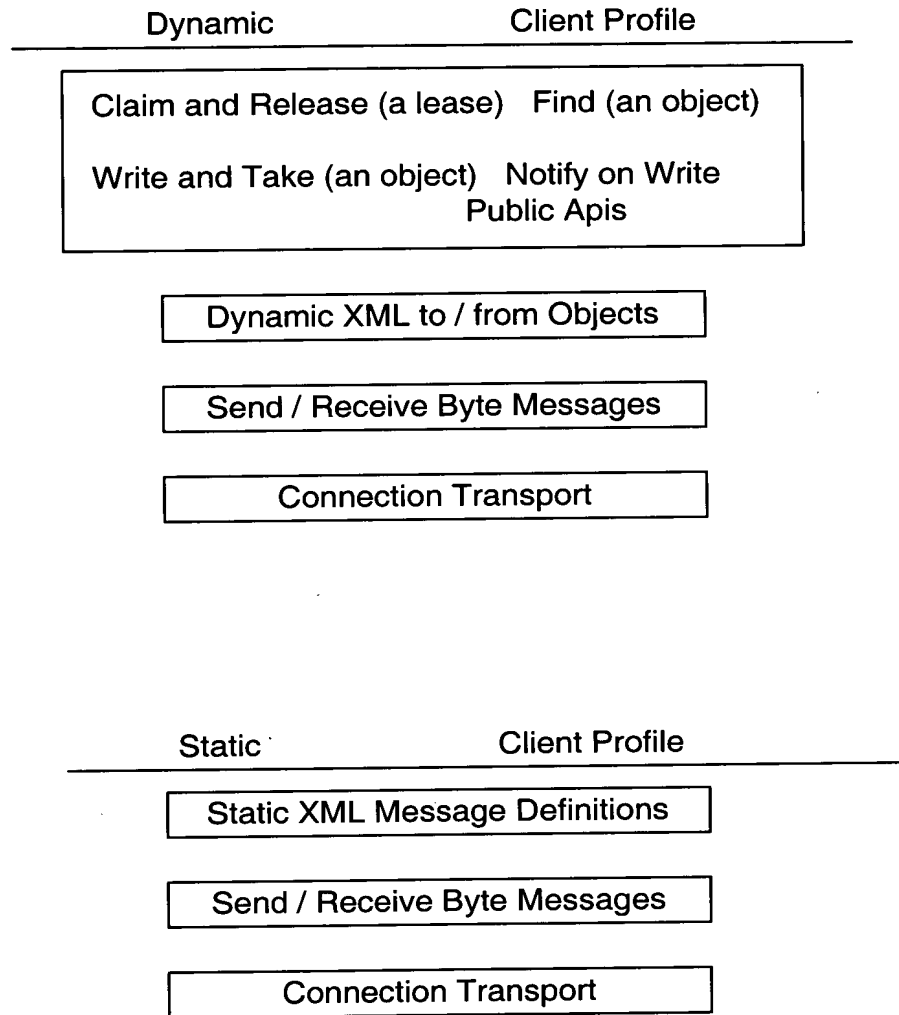


Fig. 5

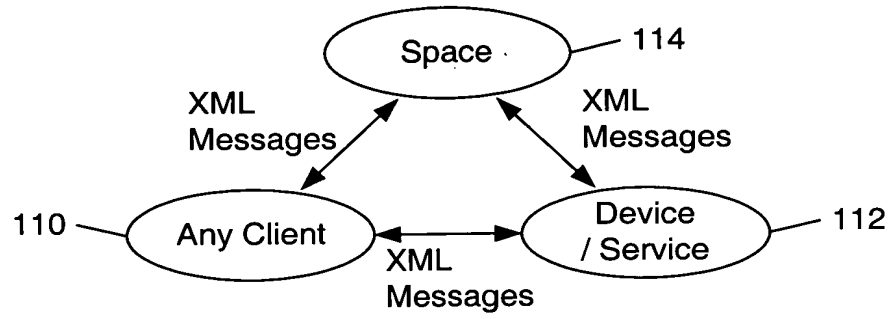


Fig. 6

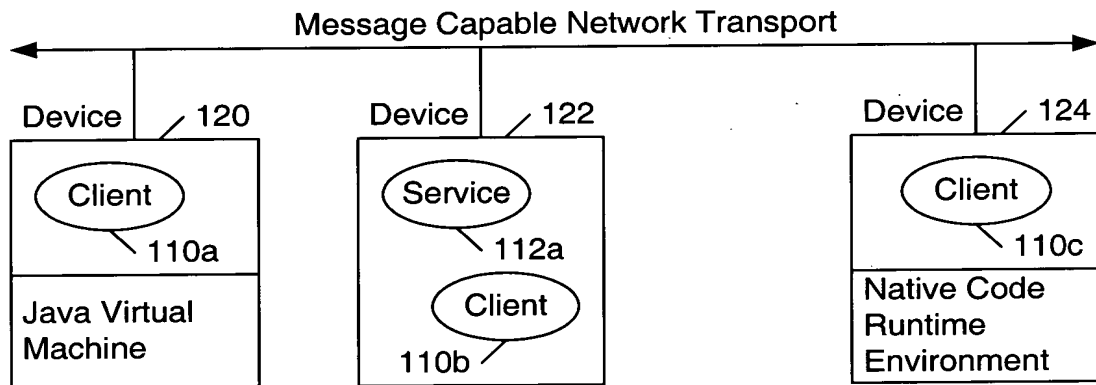


Fig. 7

Fig. 10a

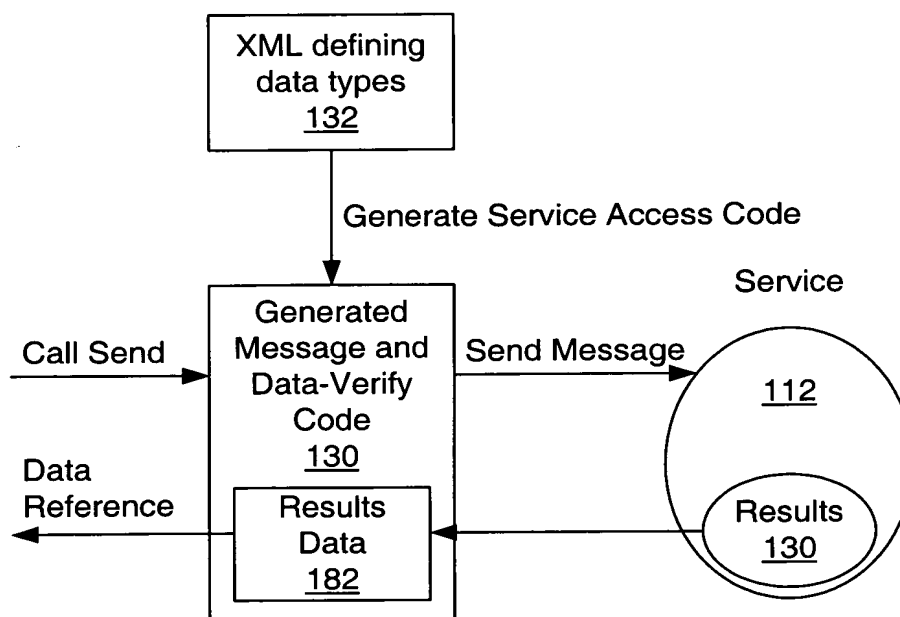


Fig. 10b

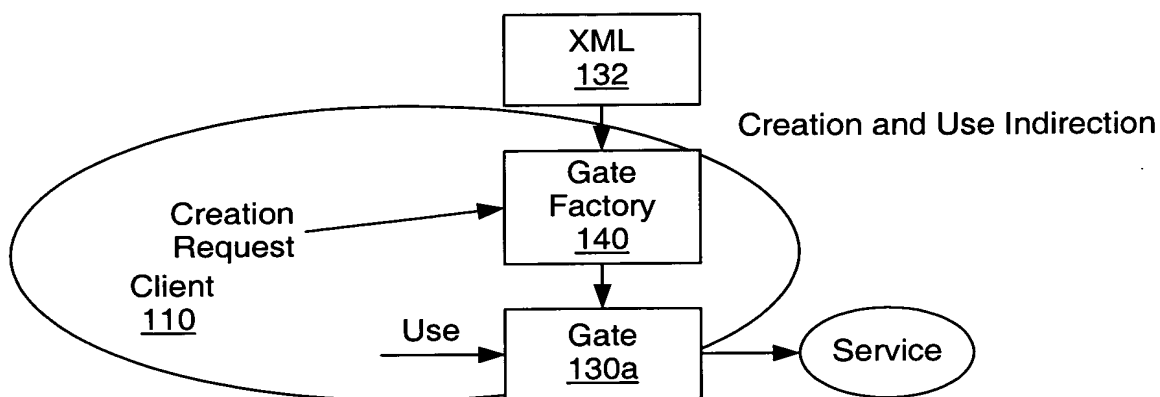


Fig. 11a

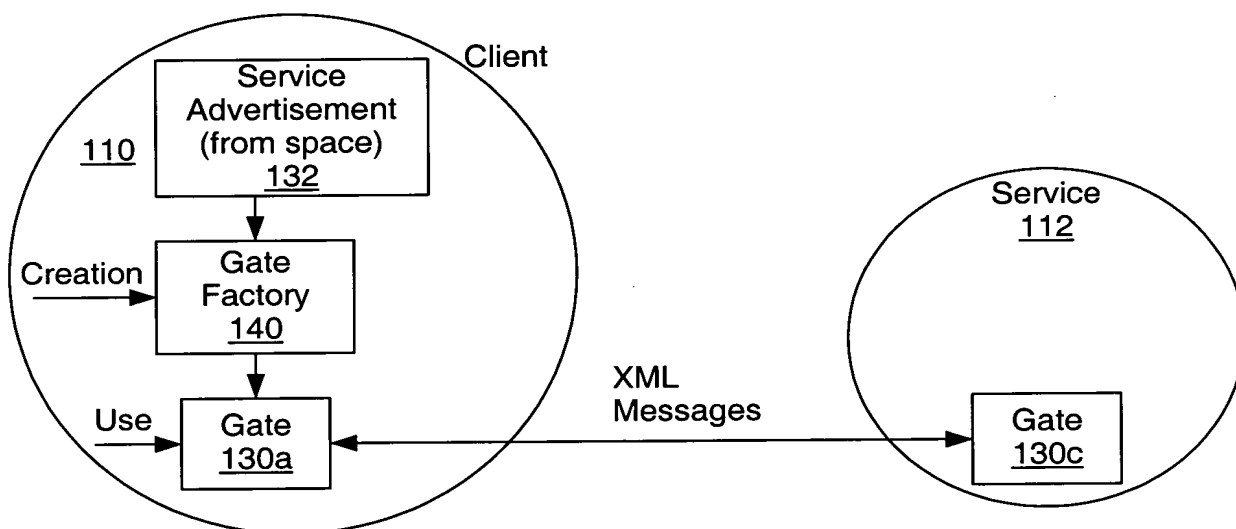


Fig. 11b

Fig. 14

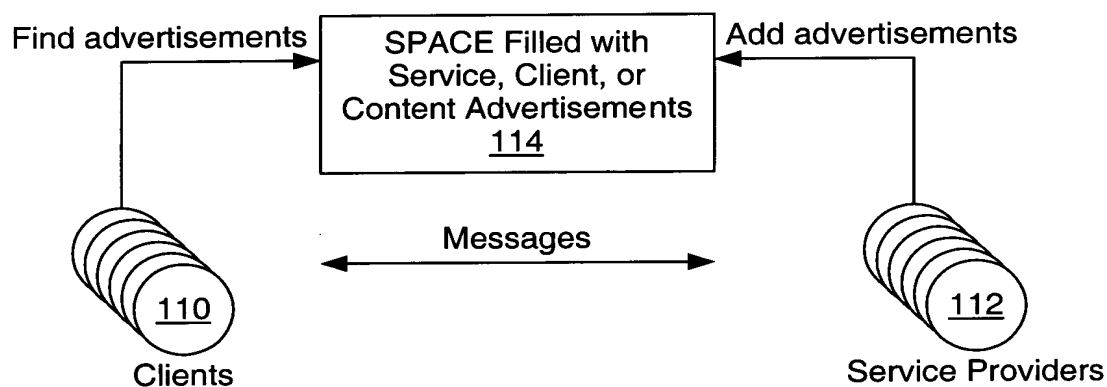


Fig. 15

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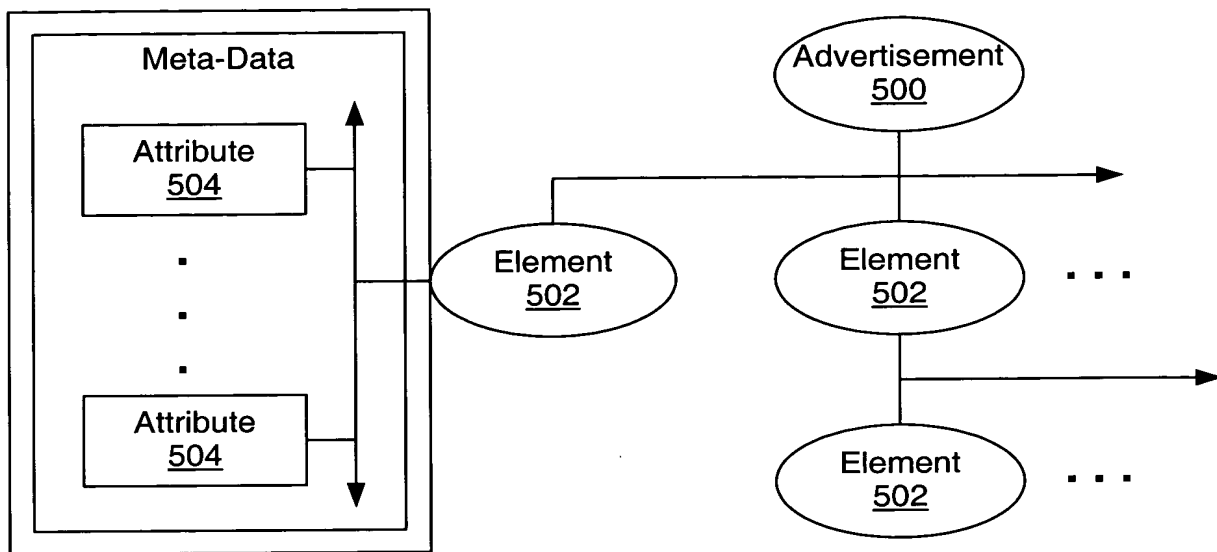


Fig. 16

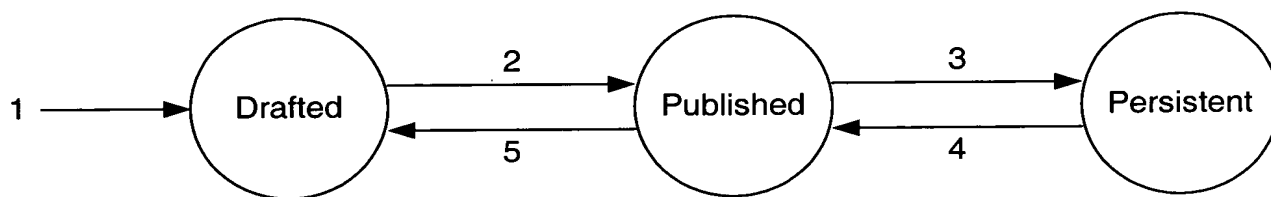


Fig. 17

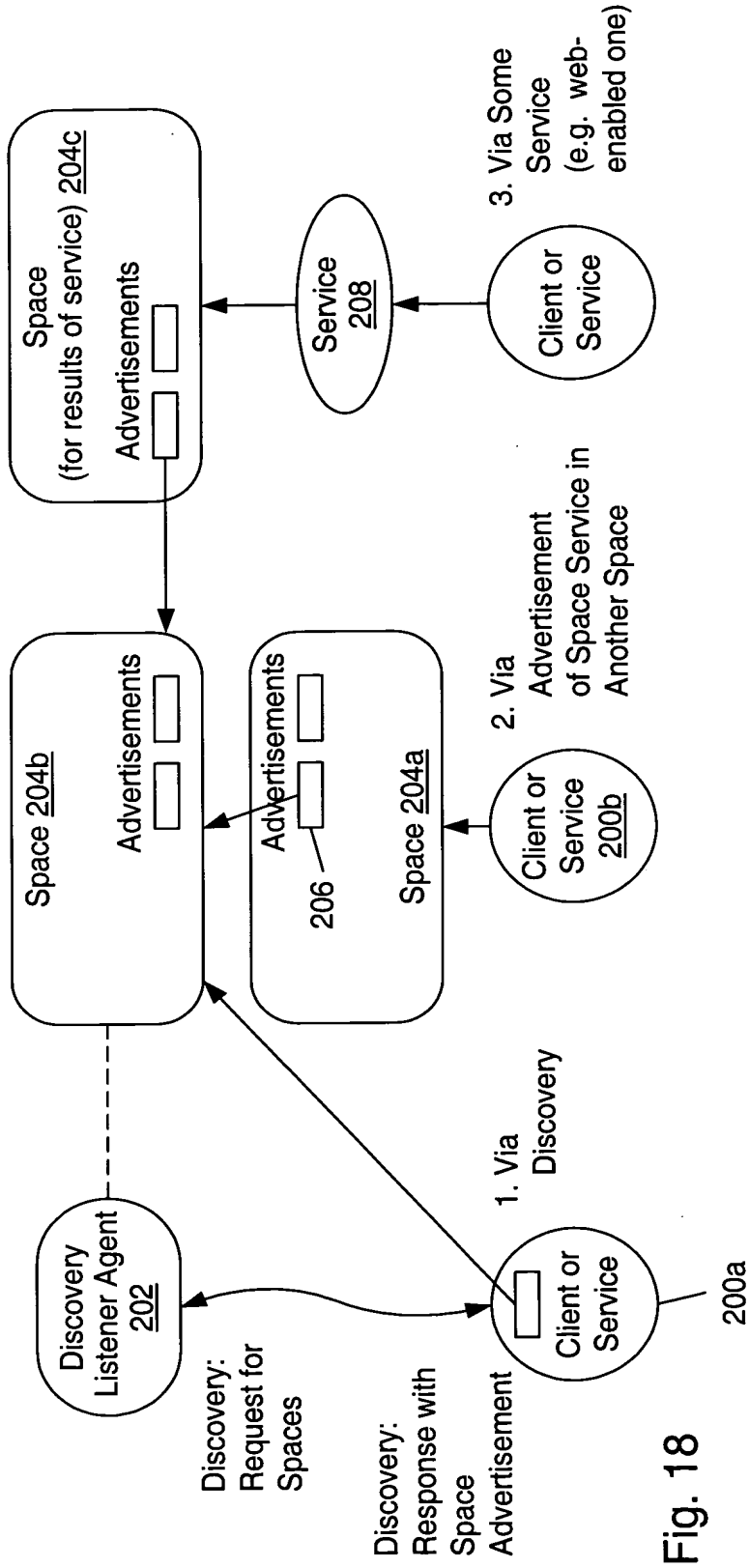


Fig. 18

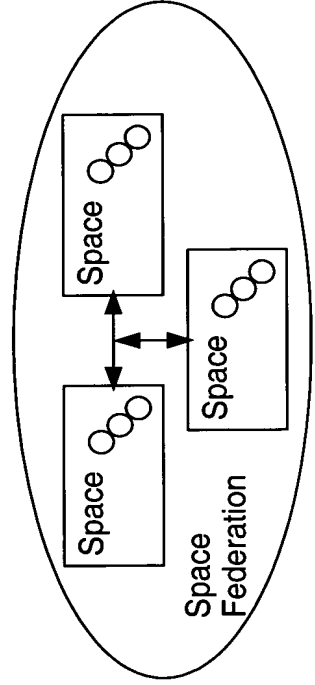


Fig. 19

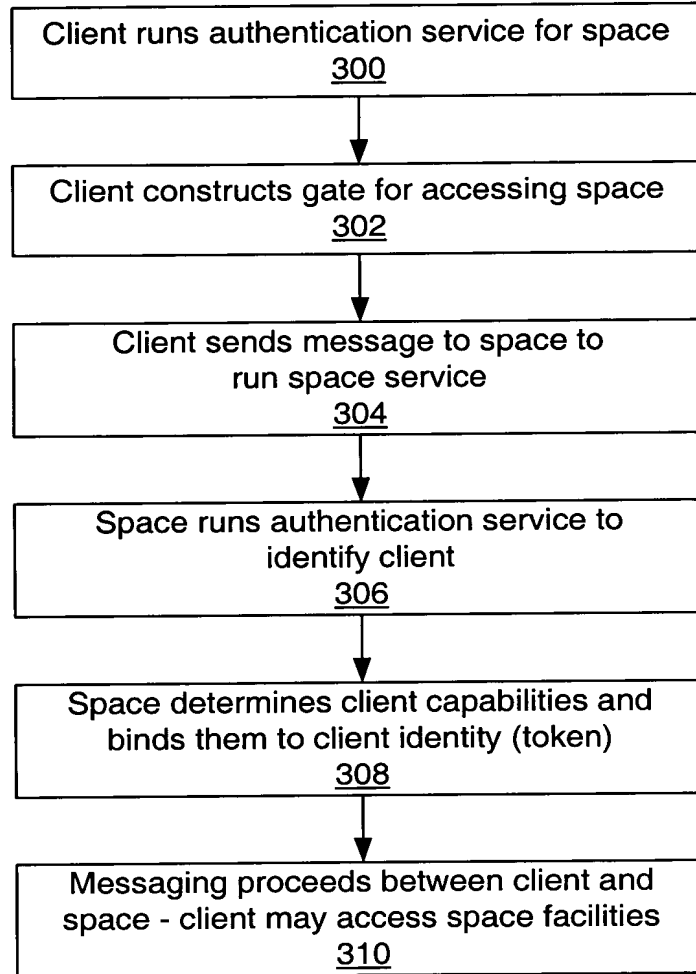


Fig. 20

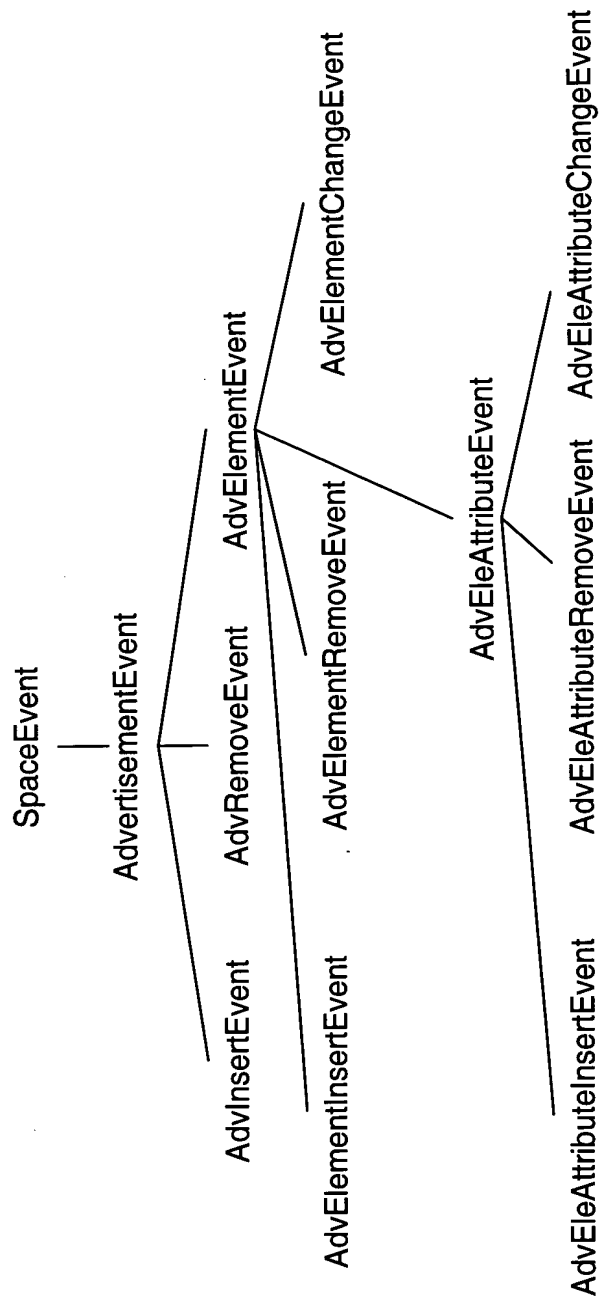


Fig. 21

```

graph TD
    320[Client selects service advertisement  
published in space  
320] --> 322[Client sends message to space requesting  
instantiation of service  
322]
    322 --> 324[Space verifies request  
324]
    324 --> 326[Space obtains lease for service  
326]
    326 --> 328[Space sends lease and service  
advertisement to client  
328]
    328 --> 330[Client runs authentication service specified  
in advertisement  
330]
    330 --> 332[Client constructs gate to access service  
332]
  
```

```

graph LR
    C1([Client]) --> DS[Default Space advertising additional spaces 350]
    C2([Client]) --> DS
    subgraph DS_Box [ ]
        direction TB
        DS_Text[Default Space advertising additional spaces 350]
        Hatched([352])
    end
    Hatched --> OS[OtherSpace]

```

Fig. 23

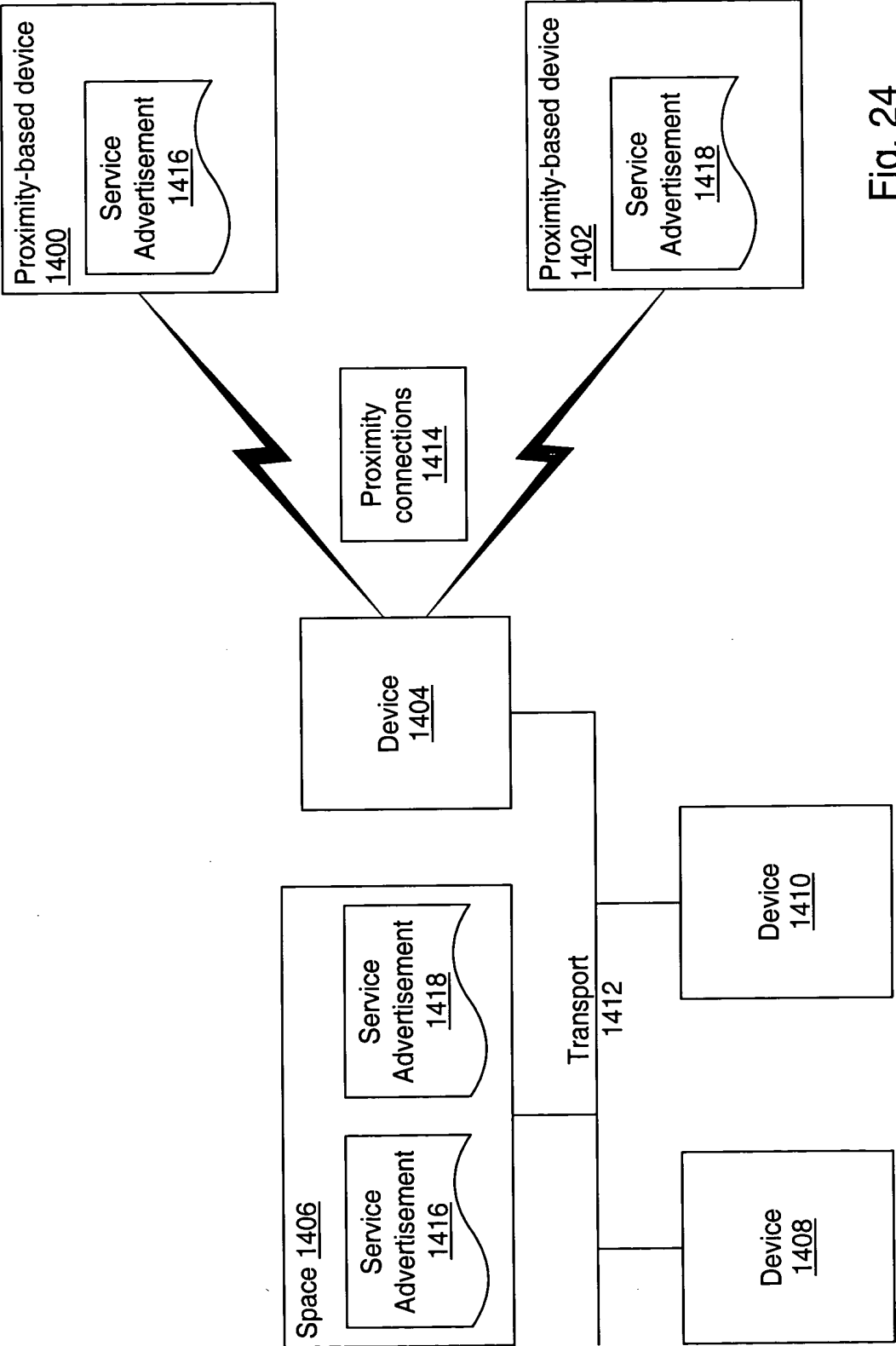


Fig. 24

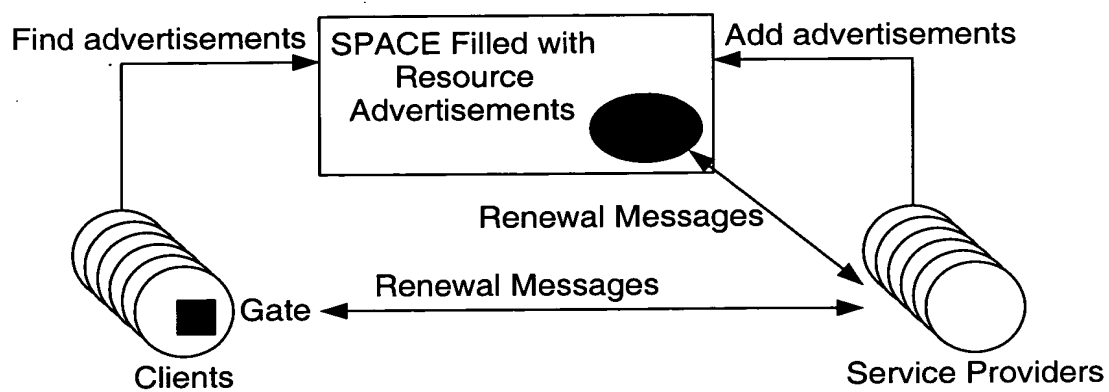


Fig. 25

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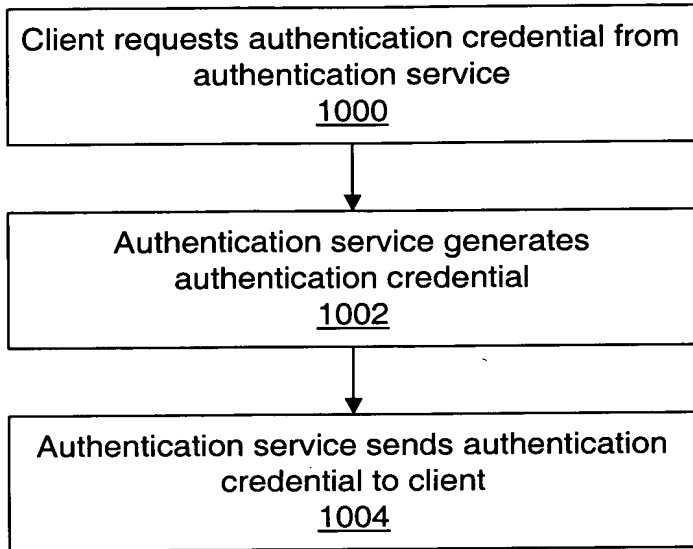
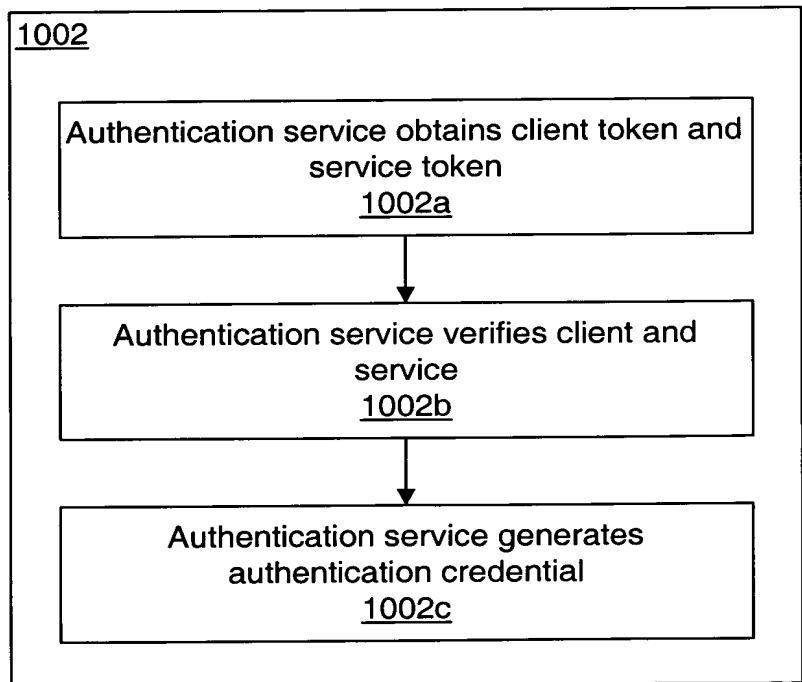


FIG. 26a

FIG. 26b



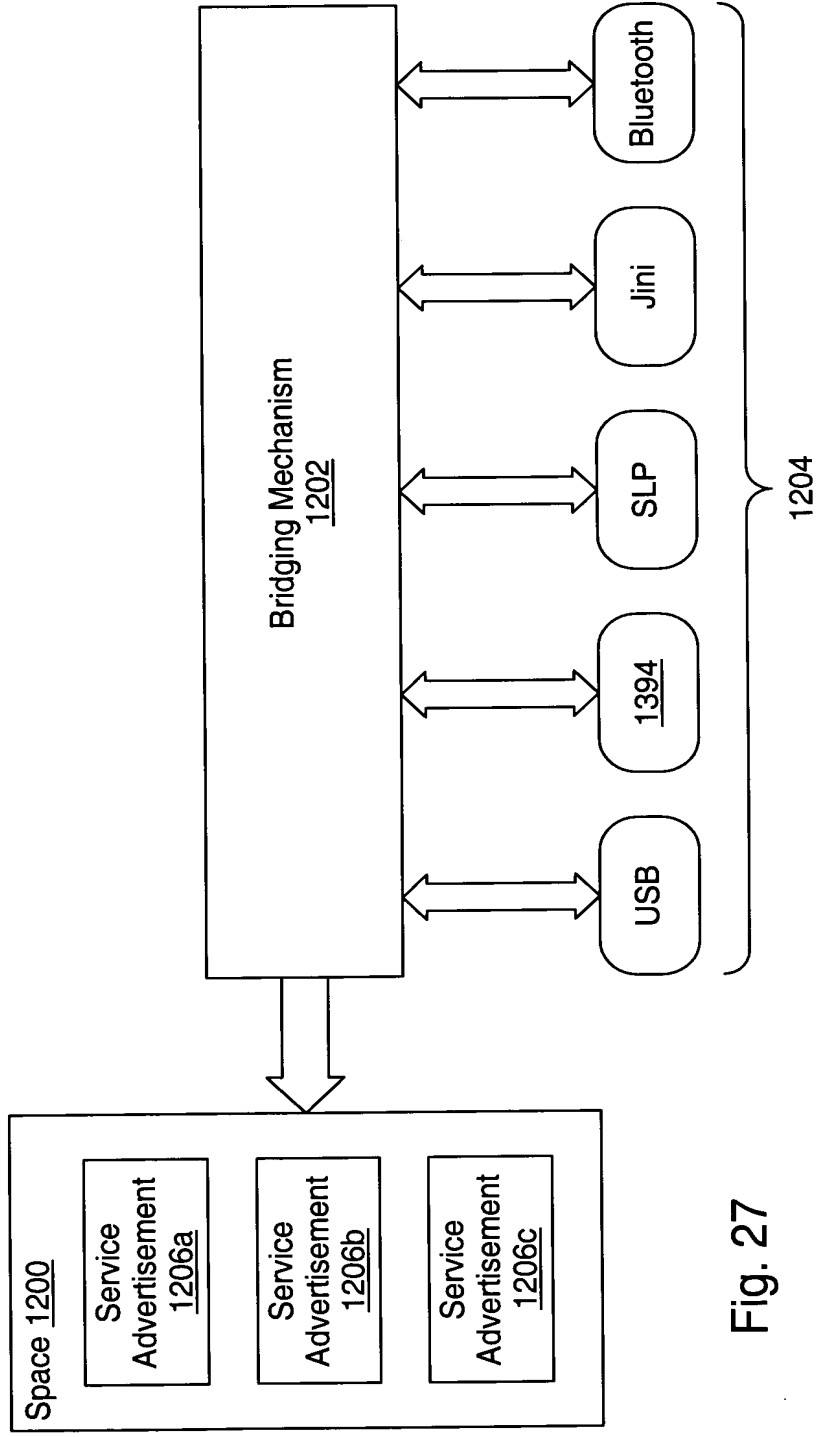


Fig. 27

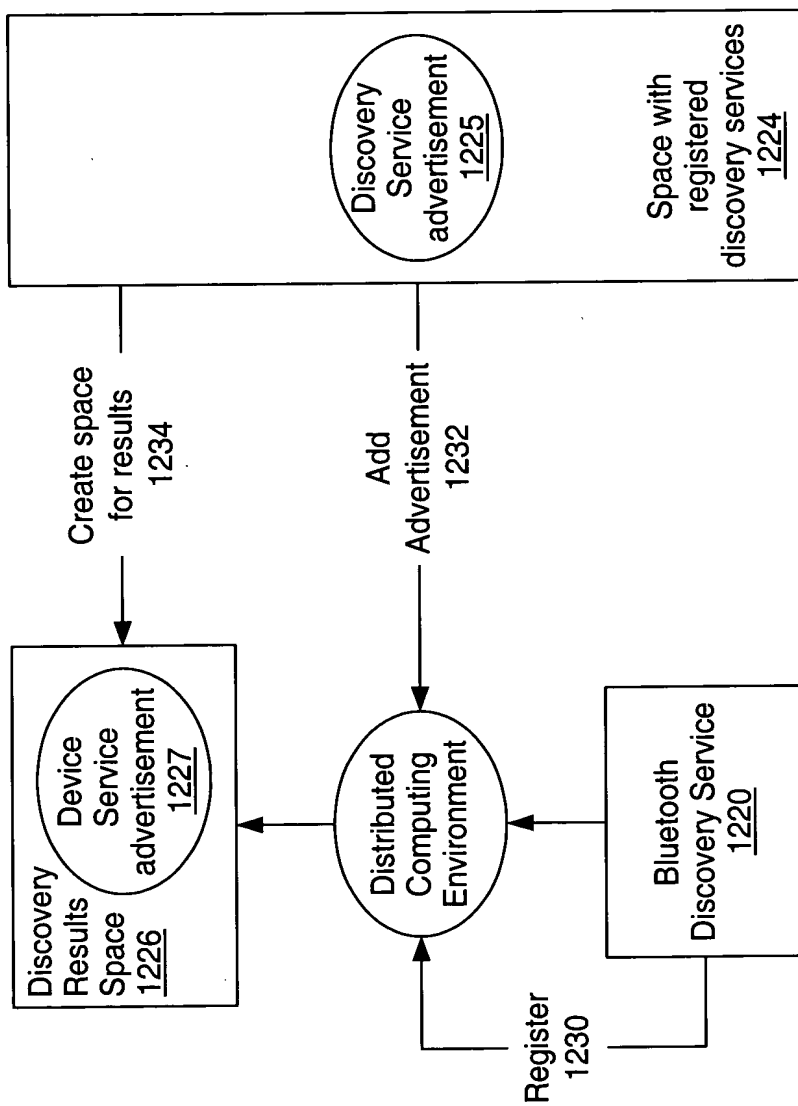


Fig. 28

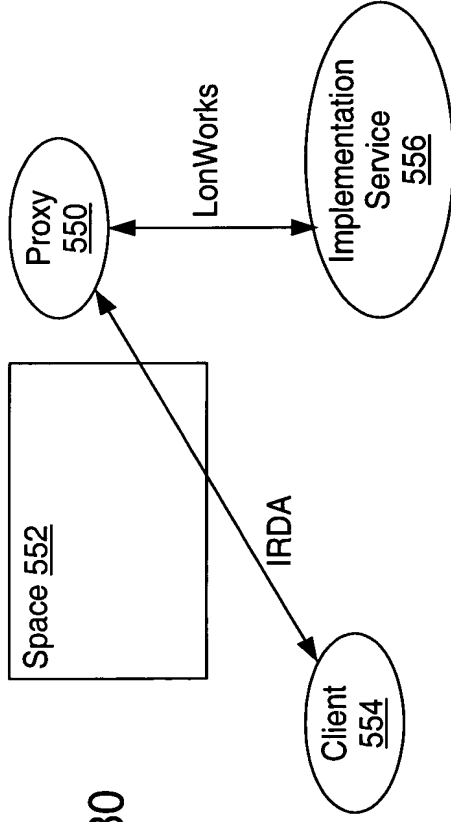


Fig. 30

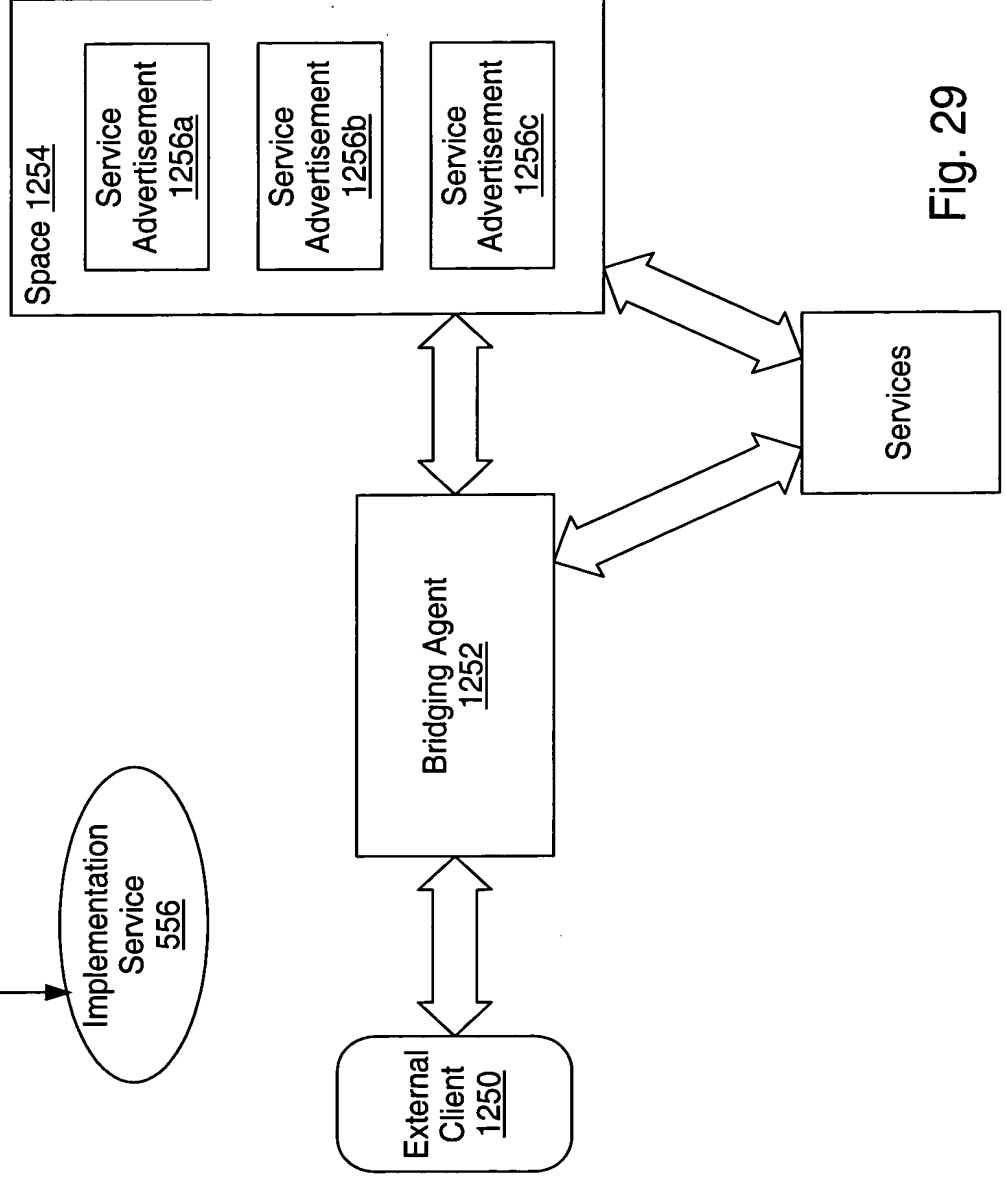


Fig. 29

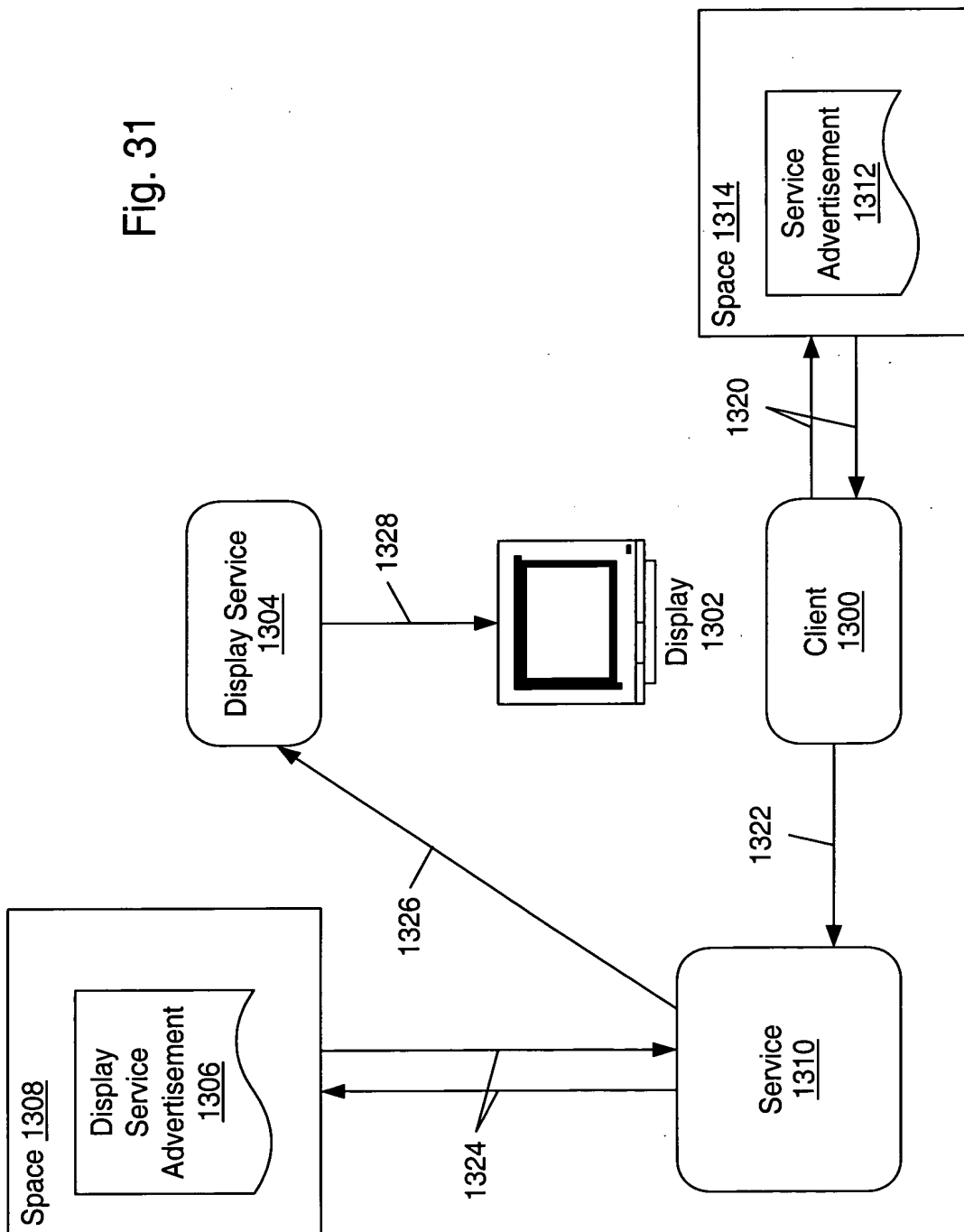


Fig. 31

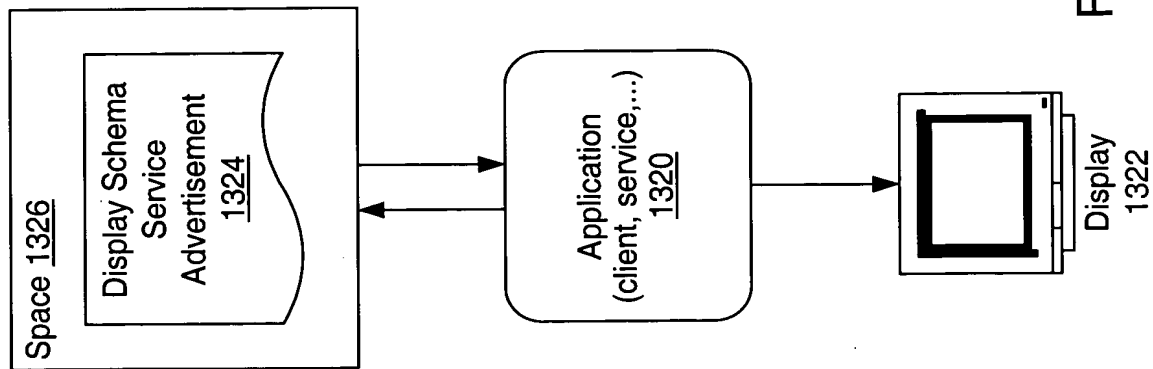


Fig. 32A

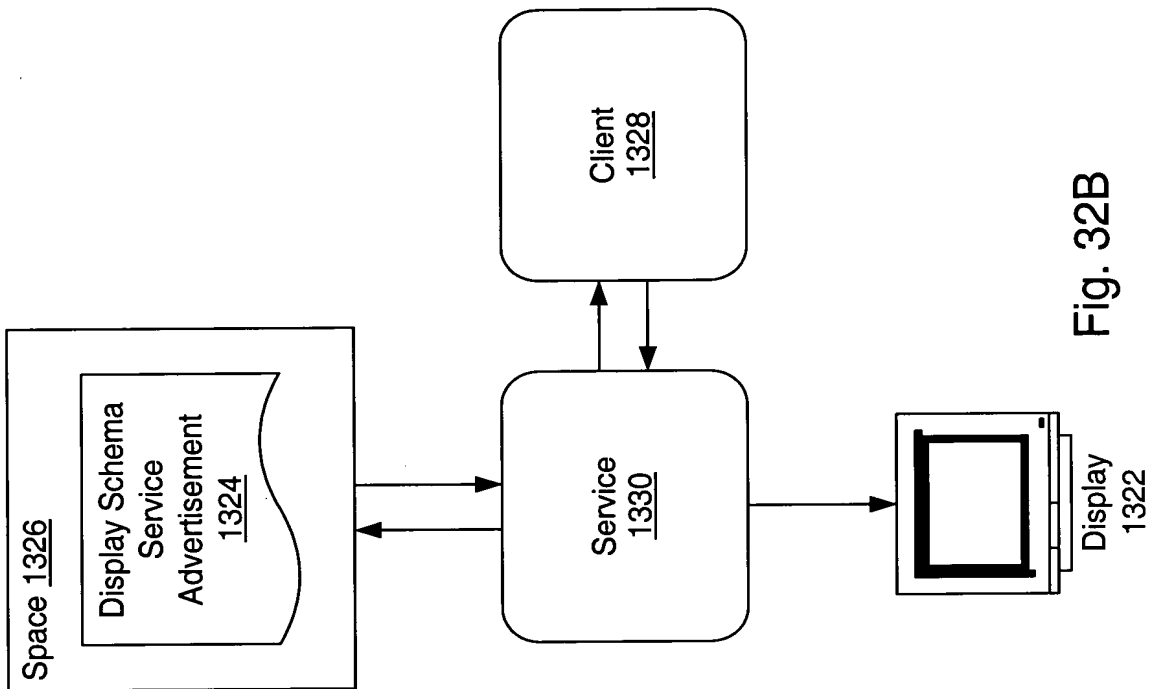


Fig. 32B

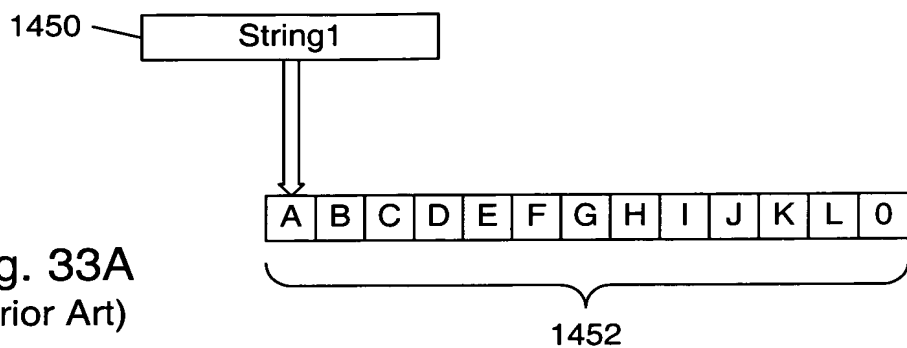


Fig. 33A
(Prior Art)

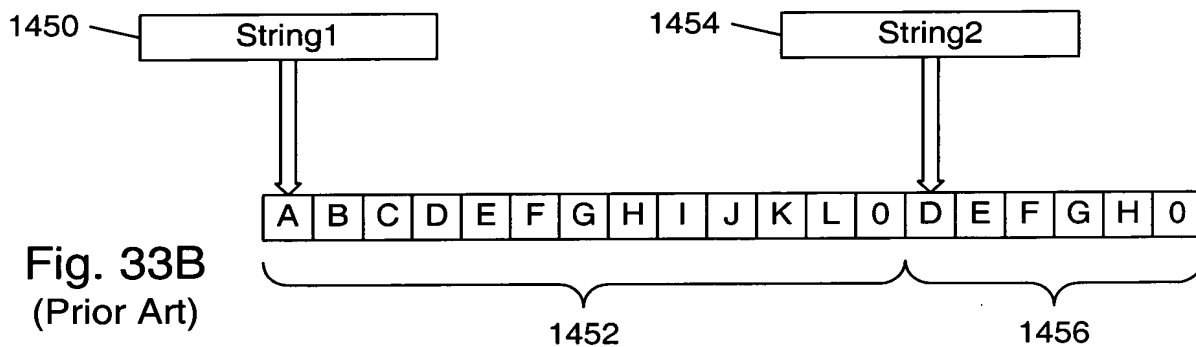


Fig. 33B
(Prior Art)

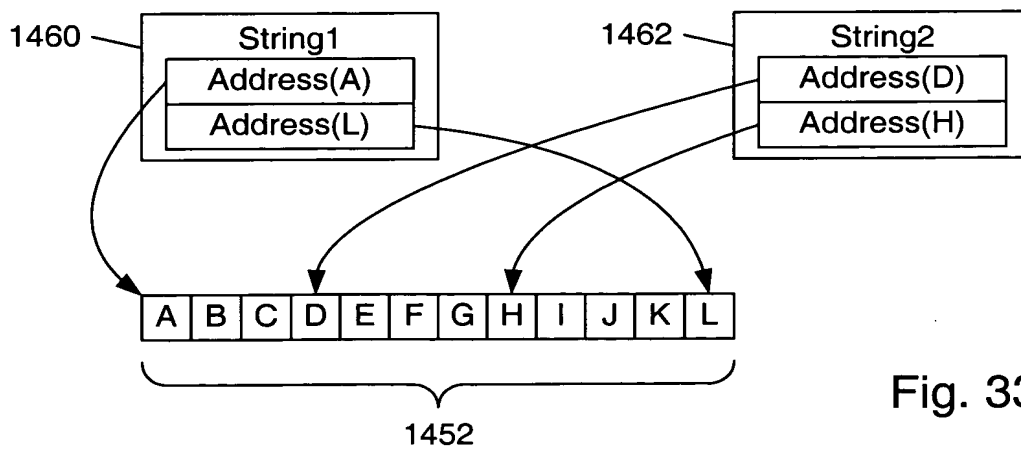


Fig. 33C

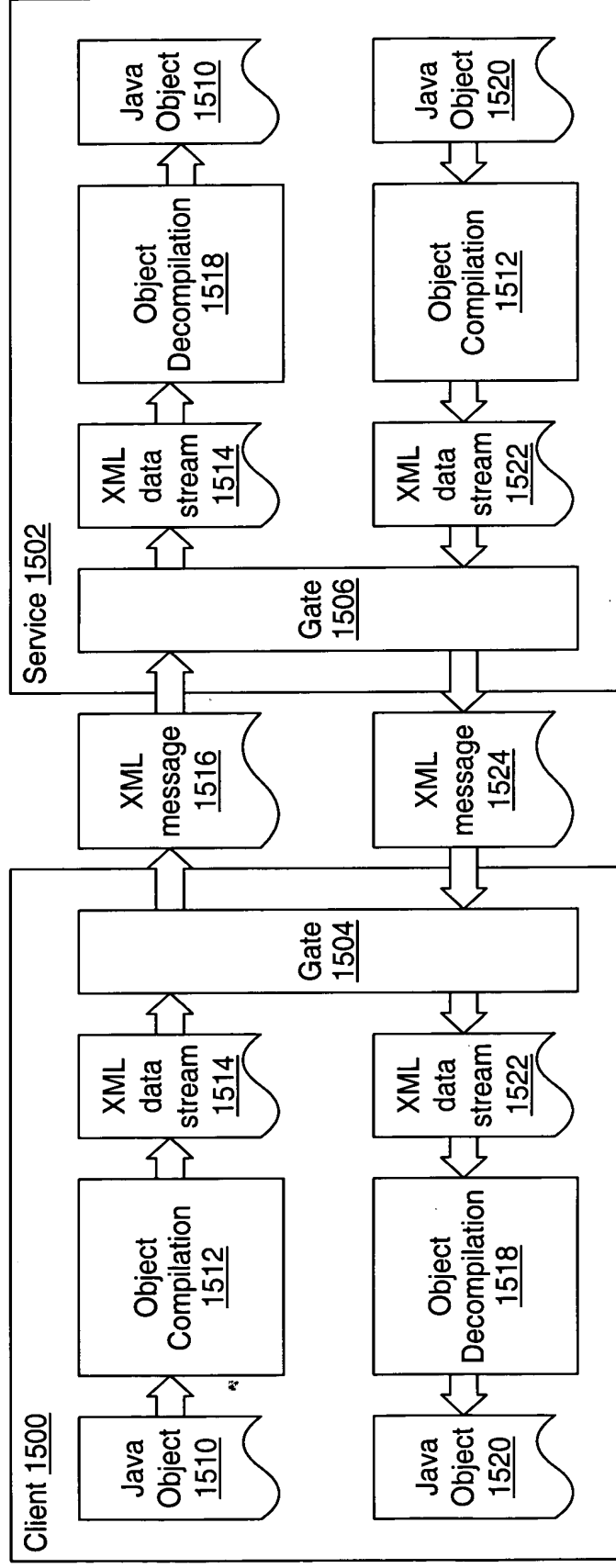


Fig. 34

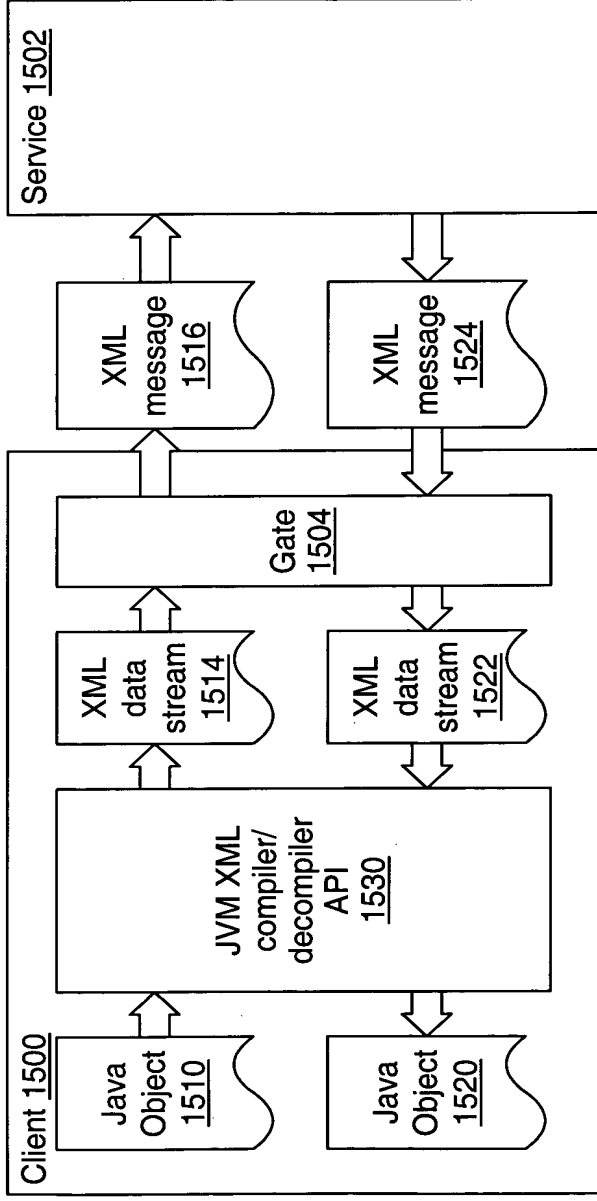


Fig. 35a

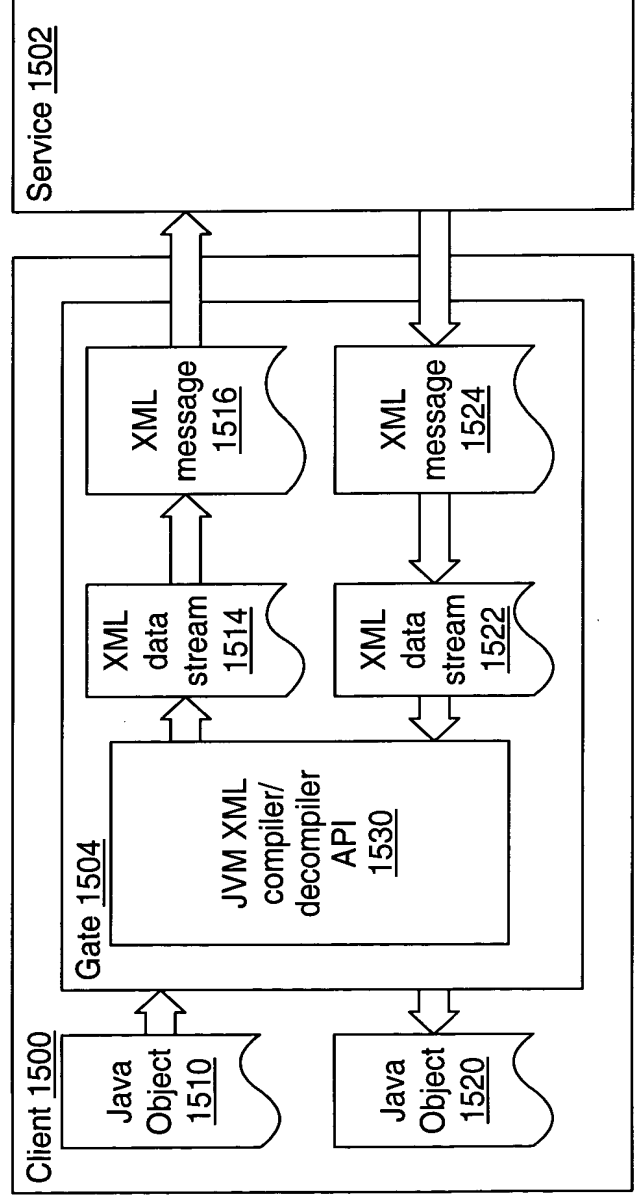


Fig. 35b

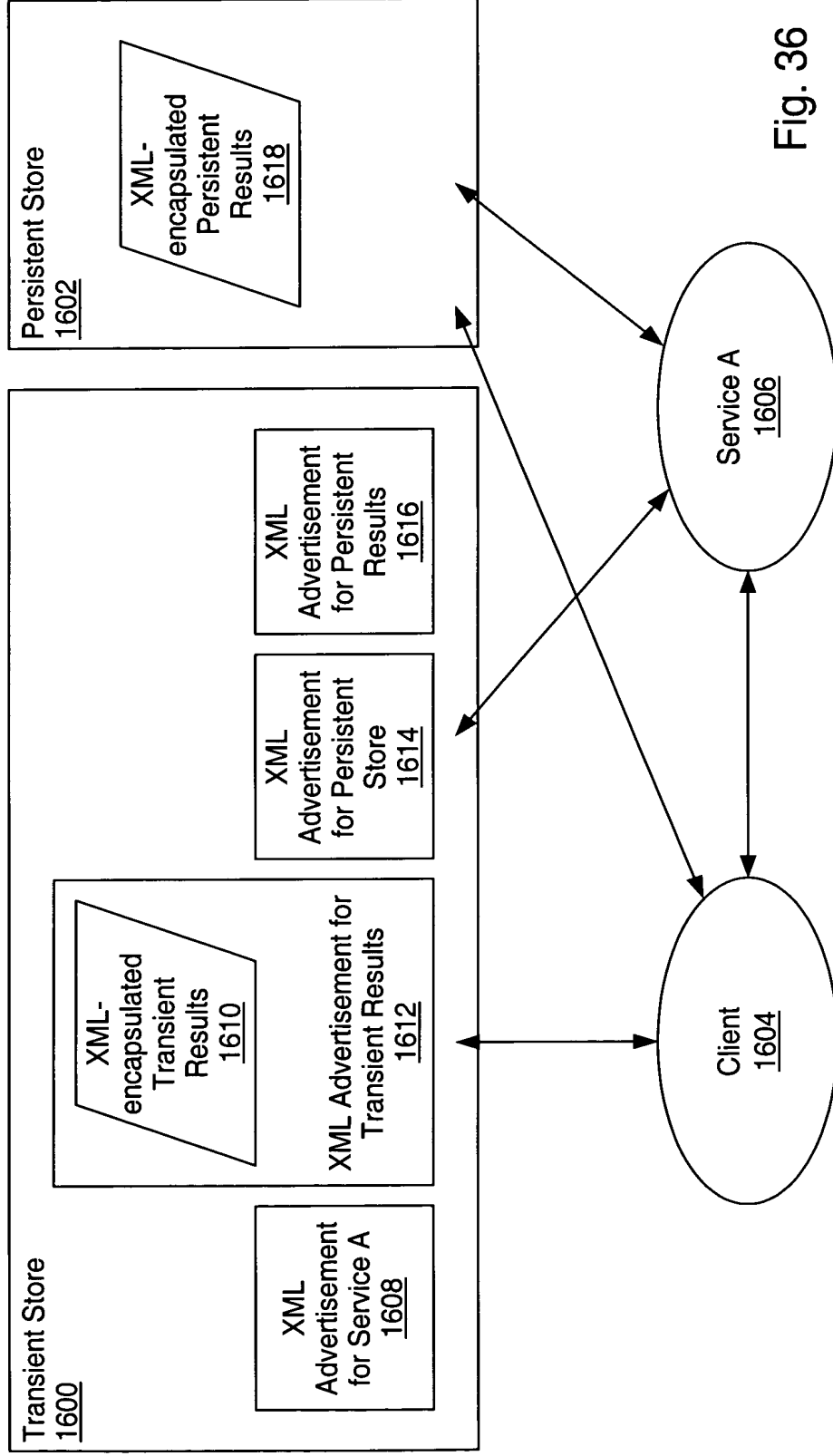


Fig. 36

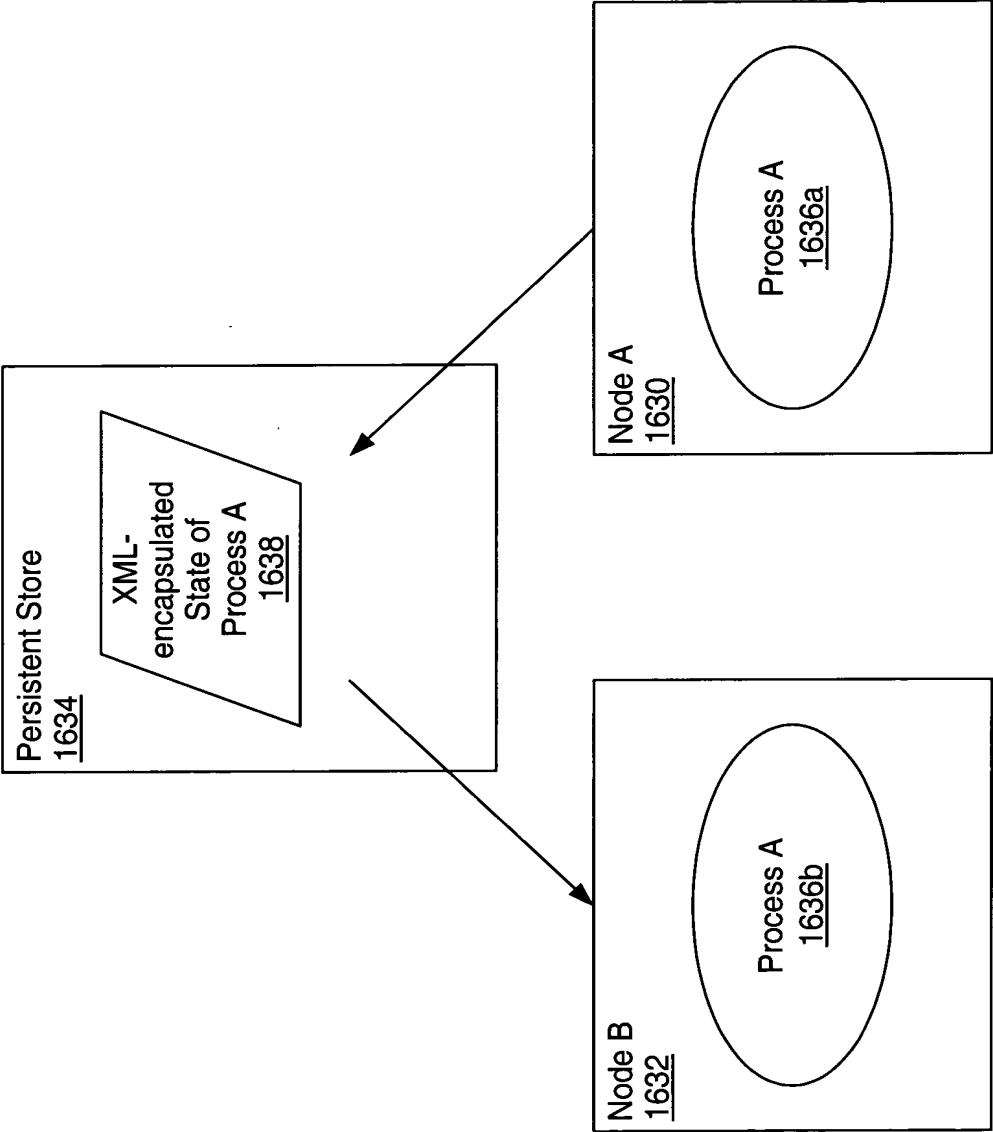


Fig. 37

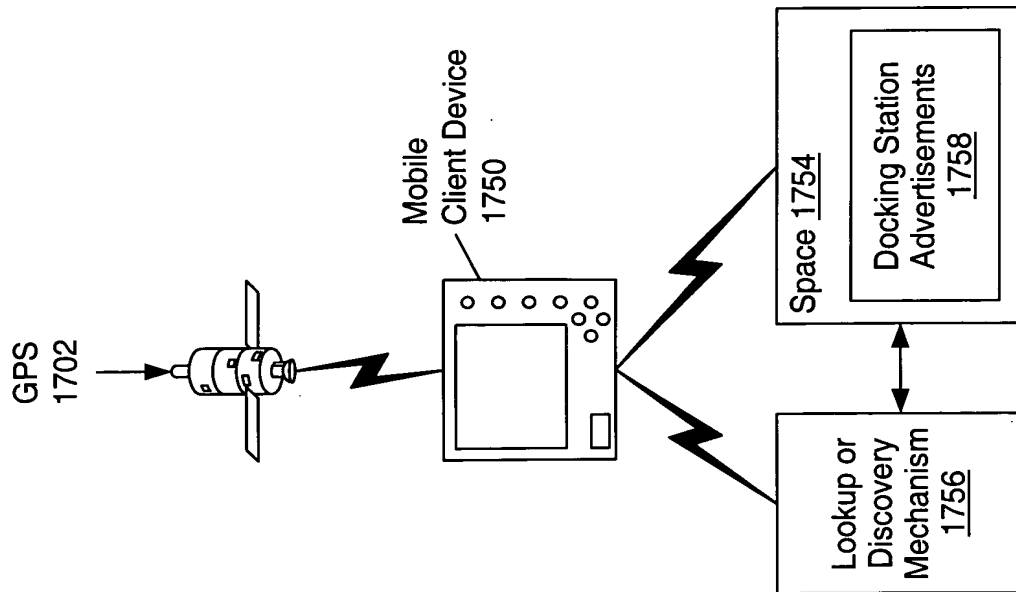


Fig. 39a

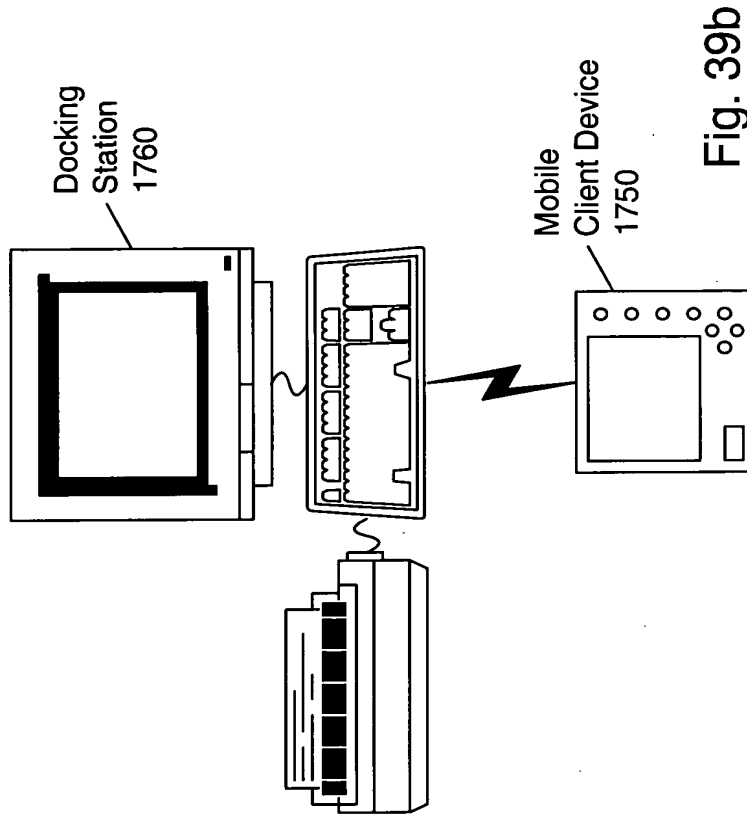


Fig. 39b

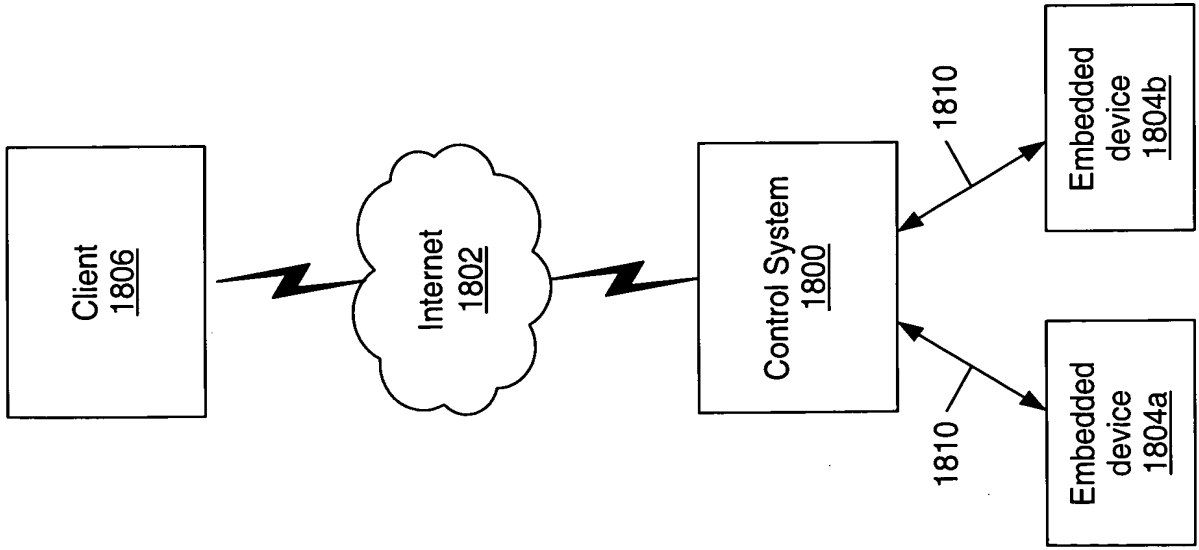


Fig. 40a

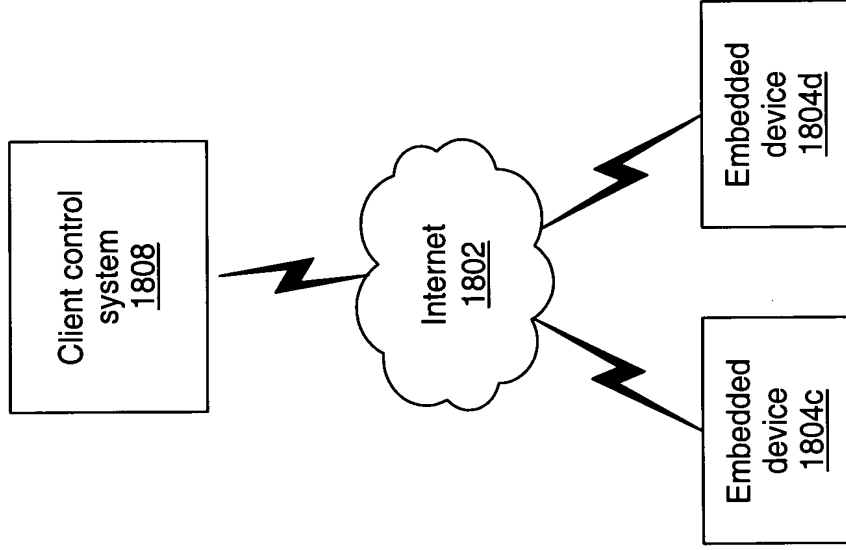


Fig. 40b

```

graph TD
    2070[Locate Advertisement For A Service  
2070] --> 2074[Request Capability Credential For Service  
2074]
    2074 --> 2075[Capability Credential Generated  
2075]
    2075 --> 2076[Receive Capability Credential  
2076]
    2076 --> 2078[Request Advertisement For Negotiated  
Capabilities  
2078]
    2078 --> 2080[Receive Advertisement For Negotiated  
Capabilities  
2080]
    2080 --> 2082[Use Advertisement And Capability Credential  
To Construct Gate To Access Service  
2082]

```

FIG. 41

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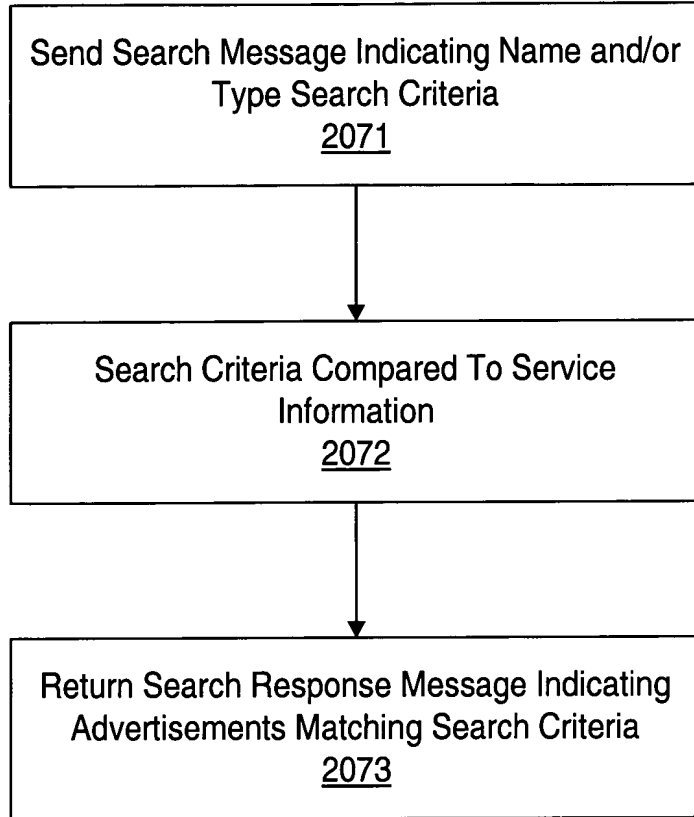


FIG. 42

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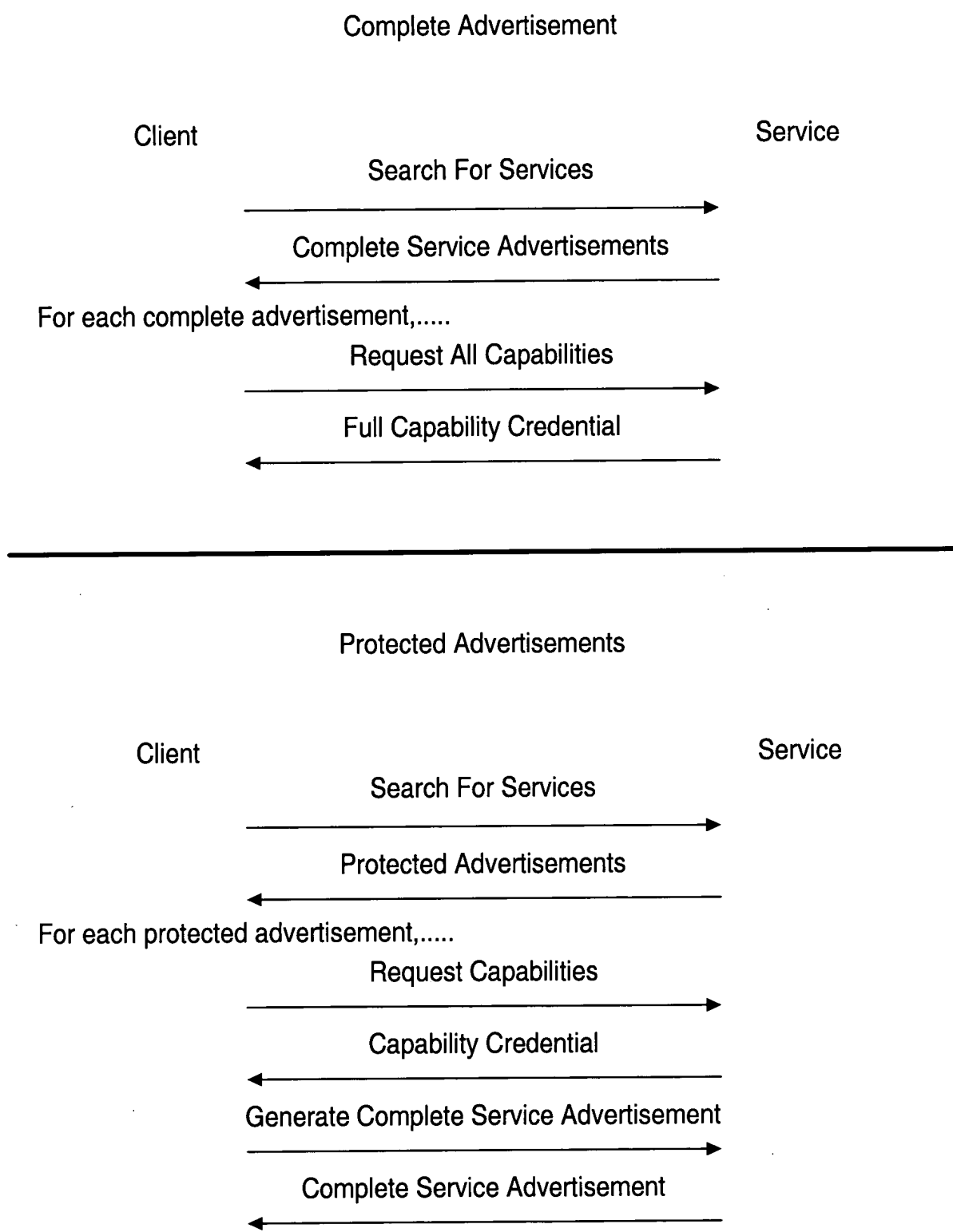


FIG. 43

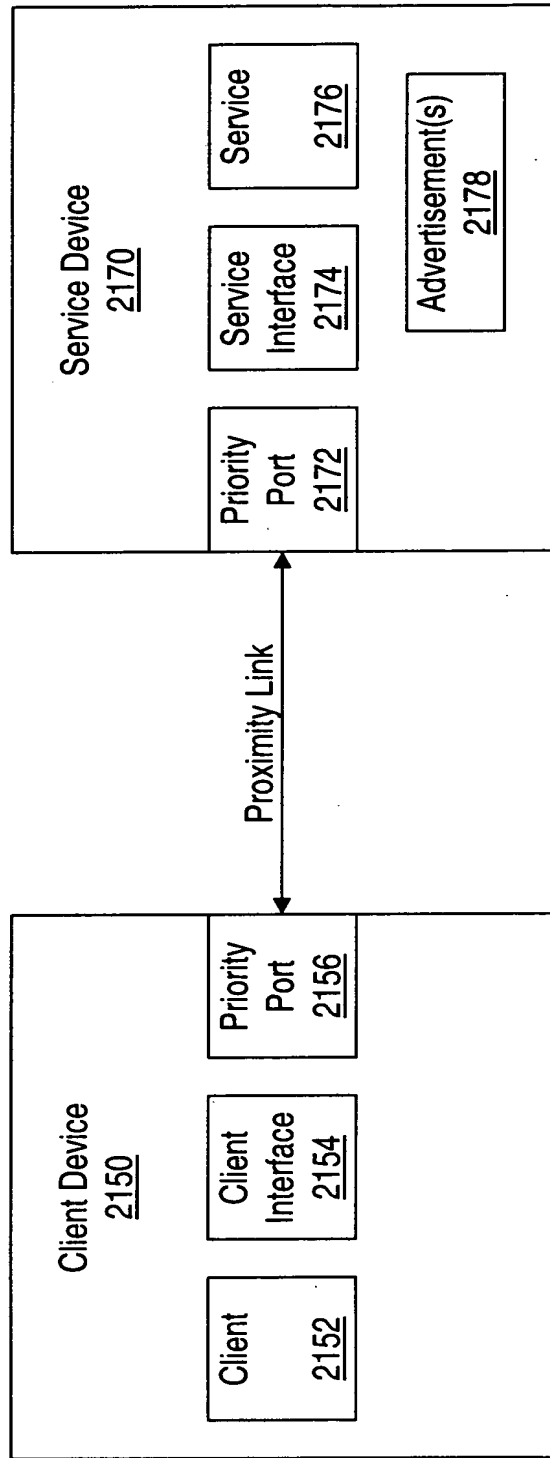


FIG. 44

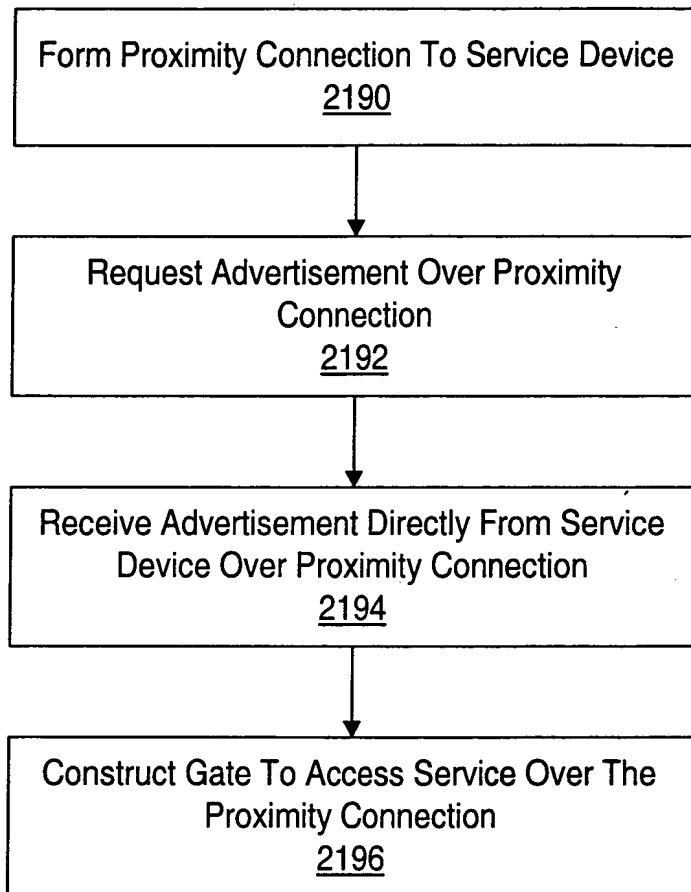


FIG. 45